



Date August 19, 2024

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR MUNICIPAL SERVICE CENTER - PHASE 2, KOESTER CONSTRUCTION COMPANY, INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the Municipal Service Center - Phase 2, Activity ID 102018001, in accordance with the contract approved between Koester Construction Company, Inc., Paul Koester, President, 3050 SE Enterprise Drive, Suite A, Grimes, IA, 50111, under Roll Call No. 20-1532, of September 14, 2020, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$48,082,262.02 is the total cost, of which \$48,032,862.02 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$49,400.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN PW

Funding Source: 2024-25 CIP, Page 47, Municipal Service Center - Phase 2, BL128, Being: GO Bonds \$38,082,262.02; \$Storm Water Utility Fund \$3,500,000; Sanitary Sewer Fund \$3,500,000; Solid Waste Fund \$3,000,000

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include BOESEN, COLEMAN, GATTO, MANDELBAUM, SIMONSON, VOSS, WESTERGAARD, and TOTAL.

CERTIFICATE

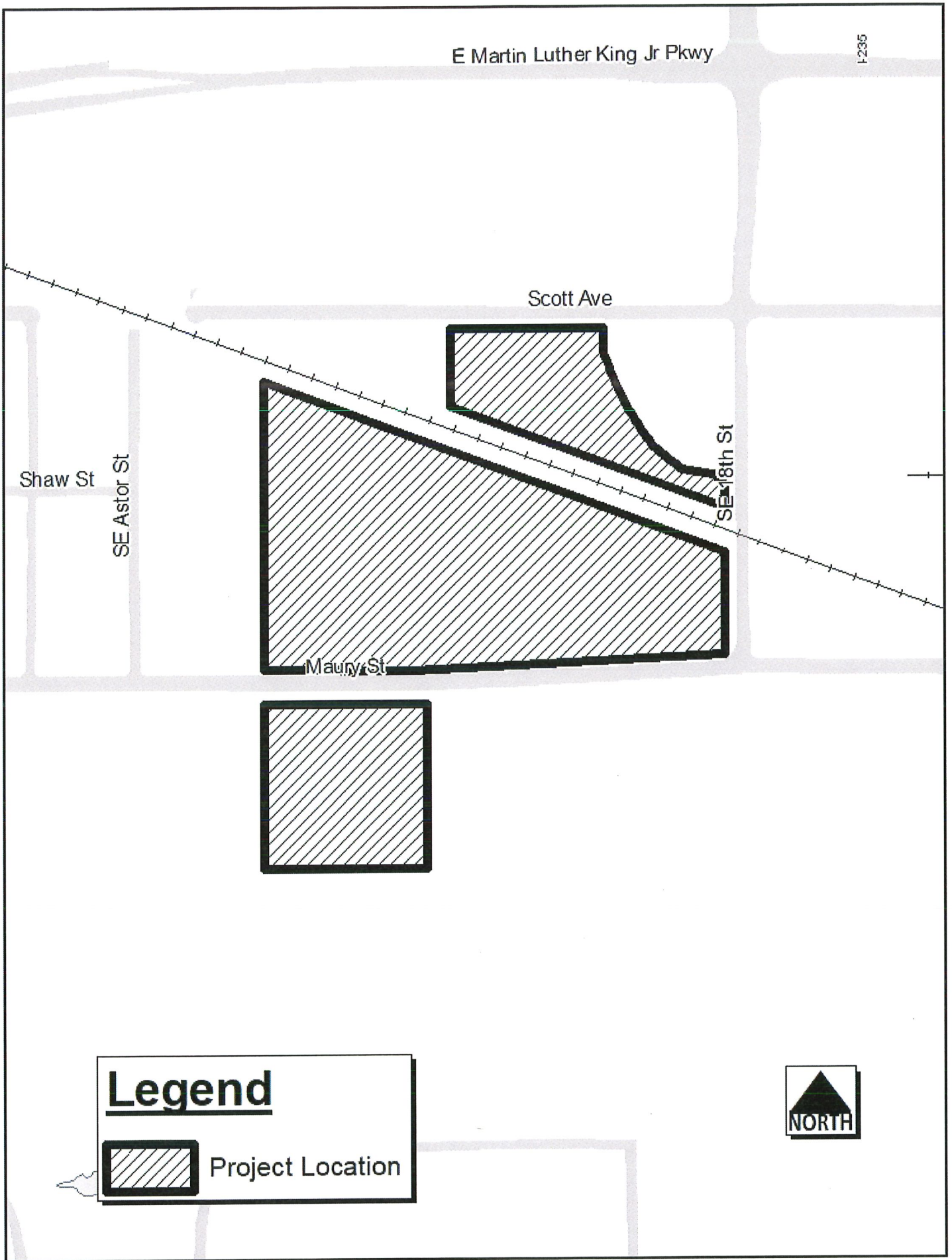
I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

Mayor

City Clerk



E Martin Luther King Jr Pkwy

F-236

Scott Ave

Shaw St

SE Astor St

SE 18th St

Maury St

Legend

 Project Location





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PROJECT SUMMARY

Municipal Service Center - Phase 2

Activity ID 102018001

On September 14, 2020, under Roll Call No. 20-1532, the Council awarded the contract for the above improvements to Koester Construction Company, Inc., in the amount of \$44,930,979.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	City	12/22/2020 Add additional demolition to project for site clearing.	\$32,619.00
2	City	1/13/2021 Add Fire Command Center to project.	\$45,512.00
3	City	2/16/2021 Add changes noted in City plan review as per ASI #1, RFI #45 and CR#2 & 5.	\$45,633.00
4	City	3/8/2021 Add changes found during construction and additional air purification measures.	\$77,699.00
5	City	4/14/2021 Add changes found during construction as per ASI #7, RFI 60, RFI 75, CR15, RFI 108, RFI 17 and CR17.	\$44,665.00
6	City	6/29/2021 Add changes found during construction as per CR18, CR19, CR20, CR21, CR23, CR26 and CR27.	\$47,474.00
7	City	8/23/2021 Add changes found during construction as per CR22, CR24, CR28, CR29, CR30, CR31, CR32, CR33, CR34, CR36, CR37, CR38, CR39, CR40, CR41 and CR42.	\$643,250.02
8	City	9/14/2021 Add changes found during construction as per CR43, CR44, CR45, CR48, and CR49.	\$48,366.00
9	City	10/19/2021 Add changes found during construction as per CR46, CR52, CR55, and CR56.	\$49,669.00
10	City	12/6/2021 Add changes found during construction as per CR47, CR51, CR53, CR54, CR57, CR59, CR60, CR61, CR62, CR63, CR64, CR65, and increase completion date to June 30, 2022.	\$362,668.00
11	City	1/4/2022 Add changes found during construction as per CR66, CR67, CR68, CR69, and CR71.	\$49,986.00
12	City	2/7/2022	\$387,167.00

		Add changes found during construction as per CR70, CR72, CR73, CR74, CR75, CR76, CR77, CR78, CR79, CR80, CR81, CR82, CR83, CR84, CR85, CR86, CR87 and CR88.	
13	City	3/2/2022	\$49,522.00
		Add changes found during construction as per CR89, CR90, CR91, CR93, CR94, CR95, CR96, CR99, CR100, and CR102.	
14	City	3/21/2022	\$282,805.00
		Add changes found during construction as per CR92, CR97, CR98, CR101, CR102, CR103, CR104, CR105, CR106, CR107, CR109, CR110, CR111, CR113, CR114, CR115, CR117, CR119, CR120, CR122, CR125, CR126 and CR127.	
15	City	5/9/2022	\$273,116.00
		Add changes found during construction as per CR116, CR128, CR129, CR131, CR132, CR133, CR137, CR138, CR139, CR140, CR141, CR142, CR143, CR144, CR147, CR148, CR149 and allowance.	
16	City	6/28/2022	\$49,281.00
		Add changes found during construction as per CR112, CR121, CR124, CR88a, CR145, CR146, CR149, CR150, CR153, CR154, CR155, CR156, CR157, CR158, CR159, CR160, CR161, CR169 and increase completion date to July 31, 2022.	
17	City	8/4/2022	\$49,731.00
		Add changes found during construction as per CR162, CR164, CR165, CR166, CR167, CR171, CR172, CR173, CR174, CR178, CR179, CR180, CR182, and CR185.	
18	City	8/10/2022	\$48,097.00
		Add changes found during construction as per CR170, CR177, CR181, CR187, CR188, and CR194.	
19	City	9/13/2022	\$49,032.00
		Add changes found during construction as per CR168, CR176, CR181, CR184, CR189, CR195 and CR197.	
20	City	12/12/2022	\$372,363.00
		Add changes found during construction as per CR183, CR186, CR190, CR191, CR192, CR193, CR198, CR199, CR200, CR201, CR202, CR203, CR204, CR205, CR207, CR208, CR209, CR210, CR211, CR212, CR213, CR214, CR215, CR216, CR218, CR219, CR220, CR221, CR223, CR224, CR225, CR226, CR227, CR229, CR230, CR231, CR232, CR233, CR234, CR235, CR236, CR237, CR238, CR239, CR240, CR241, CR243, CR245, CR246, CR247, CR248, CR254, CR255, CR256, CR257 and increase completion date to November 13, 2022.	
21	City	3/13/2023	\$70,799.00
		Add changes found during construction as per CR206, CR228, CR242, CR244, CR250, CR251, CR252, CR253, CR258, CR259, CR260, CR261, CR262, CR263, CR264.	
22	City	5/3/2023	\$43,880.00
		Add changes found during construction as per CR266, CR267, CR268, CR269, CR270 and CR271.	
23	City	9/6/2023	\$37,549.00

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Add changes found during construction as per CR272, CR273, CR274, CR275, CR276, CR277, CR278, CR279, CR280, CR281, CR282, CR283, CR284 and Liquidated damages for late completion.

24	City	1/24/2024	\$(9,600.00)
		Deducts for cracked concrete and submittal exchange extension.	
		Original Contract Amount	\$44,930,979.00
		Total Change Orders	\$3,151,283.02
		Percent of Change Orders to Original Contract	7.01%
		Total Contract Amount	\$48,082,262.02



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August 19, 2024

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Municipal Service Center - Phase 2, Koester Construction Company, Inc..

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$48,082,262.02 As-Built Contract Cost

Funding Source: 2024-25 CIP, Page 47, Municipal Service Center - Phase 2, BL128, Being: \$38,082,262.02 in GO Bonds, \$3,500,000 from Storm Water Utility Fund, \$3,500,000 from Sanitary Sewer Fund, and \$3,000,000 from Solid Waste Fund

CERTIFICATION OF COMPLETION:

On September 14, 2020, under Roll Call No. 20-1532, the City Council awarded a contract to Koester Construction Company, Inc., Paul Koester, President, 3050 SE Enterprise Drive, Suite A, Grimes, IA 50111 for the construction of the following improvement:

Municipal Service Center - Phase 2, 102018001

The improvement includes construction of an approximate 261,270 square foot new facility which incorporates the Public Works Department vehicle maintenance, fuel pump station, wash bay, and radio maintenance, with LEED certification; design consists of pre-cast concrete panels, glazed aluminum curtainwalls, architectural aluminum metal panels; wall structure consists of perimeter bearing walls and internal bearing and non-bearing concrete masonry units; floor structure is steel beam framing along with concrete/metal floor decking; roof structure is metal roof joists and decking; roofing system is a single-ply, fully adhered membrane on low slope roof areas; mechanical systems will incorporate energy efficient system, solar array for electricity, rain water collection, and ventilation system to filter exhaust fumes from administration areas; and reconstruction of Burlington Northern railroad crossing; all work in accordance with the contract documents, including Plan File Nos. 604-001/296, located at 1650 Maury Street, Des Moines, Iowa

I hereby certify that the construction of said Municipal Service Center - Phase 2, Activity ID 102018001, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on October 5, 2020, and was completed on July 26, 2024.

I further certify that \$48,082,262.02 is the total cost of said improvement, of which \$48,032,862.02 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$49,400.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.

Steven L. Naber, P.E.
Des Moines City Engineer

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ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 06/08/2024 to 07/26/2024
FINAL PAYMENT

PROJECT: MSC 2
CONTRACTOR: KOESTER CONSTRUCTION COMPANY, INC.

Activity ID: 10-2018-001
Date: 07/26/2024

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	PAYMENT AND PERFORMANCE BOND	LS	1.000	1.000	1.000	\$505,000.00	\$505,000.00
2	SITE MOBILIZATION	LS	1.000	1.000	1.000	\$450,000.00	\$450,000.00
3	SITE SELECTIVE DEMOLITION	LS	1.000	1.000	1.000	\$56,405.92	\$56,405.92
4	CAST-IN-PLACE CONCRETE	LS	1.000	1.000	1.000	\$3,324,723.75	\$3,324,723.75
5	CONCRETE FLOOR FINISHES	LS	1.000	1.000	1.000	\$76,917.16	\$76,917.16
6	POLISHED CONCRETE FLOOR FINISHING	LS	1.000	1.000	1.000	\$117,939.65	\$117,939.65
7	PRECAST CONCRETE HOLLOW CORE PLANKS	LS	1.000	1.000	1.000	\$979,411.84	\$979,411.84
8	INSULATED CONCRETE SANDWICH PANELS	LS	1.000	1.000	1.000	\$3,538,189.38	\$3,538,189.38
9	PRECAST ARCHITECTURAL CONCRETE	LS	1.000	1.000	1.000	\$76,917.16	\$76,917.16
10	UNIT MASONRY	LS	1.000	1.000	1.000	\$1,220,111.28	\$1,220,111.28
11	STRUCTURAL STEEL FRAMING	LS	1.000	1.000	1.000	\$1,512,704.16	\$1,512,704.16
12	STEEL JOIST FRAMING	LS	1.000	1.000	1.000	\$871,727.82	\$871,727.82
13	STEEL DECKING	LS	1.000	1.000	1.000	\$948,644.98	\$948,644.98
14	COLD-FORMED METAL FRAMING	LS	1.000	1.000	1.000	\$208,573.70	\$208,573.70
15	METAL FABRICATIONS	LS	1.000	1.000	1.000	\$282,029.59	\$282,029.59
16	METAL STAIRS	LS	1.000	1.000	1.000	\$205,112.43	\$205,112.43
17	DECORATIVE RAILINGS	LS	1.000	1.000	1.000	\$282,029.59	\$282,029.59
18	ROUGH CARPENTRY	LS	1.000	1.000	1.000	\$148,706.51	\$148,706.51
19	ARCHITECTURAL WOOD CASEWORK	LS	1.000	1.000	1.000	\$194,856.81	\$194,856.81
20	FLUID-APPLIED WATERPROOFING	LS	1.000	1.000	1.000	\$2,563.91	\$2,563.91
21	WATER REPELLENTS	LS	1.000	1.000	1.000	\$102,556.21	\$102,556.21
22	THERMAL INSULATION	LS	1.000	1.000	1.000	\$61,133.76	\$61,133.76
23	FOAMED-IN-PLACE INSULATION	LS	1.000	1.000	1.000	\$30,766.86	\$30,766.86
24	WEATHER BARRIERS	LS	1.000	1.000	1.000	\$12,306.75	\$12,306.75
25	METAL WALL PANELS	LS	1.000	1.000	1.000	\$143,578.70	\$143,578.70
26	METAL PLATE WALL PANELS	LS	1.000	1.000	1.000	\$717,893.50	\$717,893.50
27	FIBER CEMENT SIDING	LS	1.000	1.000	1.000	\$282,029.59	\$282,029.59
28	PVC THERMOPLASTIC MEMBRANE ROOFING	LS	1.000	1.000	1.000	\$1,332,307.78	\$1,332,307.78

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
29	SHEET METAL FLASHING AND TRIM	LS	1.000	1.000	1.000	\$4,102.25	\$4,102.25
30	FLEXIBLE FLASHINGS	LS	1.000	1.000	1.000	\$7,691.72	\$7,691.72
31	ROOF SPECIALTIES	LS	1.000	1.000	1.000	\$101,017.87	\$101,017.87
32	ROOF ACCESSORIES	LS	1.000	1.000	1.000	\$7,691.72	\$7,691.72
33	FIRESTOPPING	LS	1.000	1.000	1.000	\$14,870.65	\$14,870.65
34	JOINT SEALANTS	LS	1.000	1.000	1.000	\$87,172.78	\$87,172.78
35	HOLLOW METAL DOORS AND FRAMES	LS	1.000	1.000	1.000	\$128,195.27	\$128,195.27
36	FLUSH WOOD DOORS	LS	1.000	1.000	1.000	\$87,172.78	\$87,172.78
37	ACCESS DOORS AND PANELS	LS	1.000	1.000	1.000	\$12,819.53	\$12,819.53
38	OVERHEAD COILING DOORS	LS	1.000	1.000	1.000	\$753,788.17	\$753,788.17
39	OVERHEAD COILING GRILLES	LS	1.000	1.000	1.000	\$15,383.43	\$15,383.43
40	SECTIONAL DOORS	LS	1.000	1.000	1.000	\$153,834.32	\$153,834.32
41	ALUMINUM-FRAMED STOREFRONTS	LS	1.000	1.000	1.000	\$201,625.52	\$201,625.52
42	GLAZED ALUMINUM CURTAIN WALLS	LS	1.000	1.000	1.000	\$765,582.14	\$765,582.14
43	TRANSLUCENT WALL AND ROOF ASSEMBLIES	LS	1.000	1.000	1.000	\$419,660.03	\$419,660.03
44	UNIT SKYLIGHTS AND SMOKE VENTS	LS	1.000	1.000	1.000	\$209,727.46	\$209,727.46
45	METAL-FRAMED SKYLIGHTS	LS	1.000	1.000	1.000	\$107,376.36	\$107,376.36
46	DOOR HARDWARE	LS	1.000	1.000	1.000	\$76,917.16	\$76,917.16
47	GLAZING	LS	1.000	1.000	1.000	\$59,995.39	\$59,995.39
48	LOUVERS	LS	1.000	1.000	1.000	\$35,894.67	\$35,894.67
49	GYPSTUM BOARD ASSEMBLIES	LS	1.000	1.000	1.000	\$251,449.38	\$251,449.38
50	TILING	LS	1.000	1.000	1.000	\$51,278.11	\$51,278.11
51	ACOUSTICAL CEILINGS	LS	1.000	1.000	1.000	\$116,409.51	\$116,409.51
52	DIRECT-APPLIED ACOUSTICAL CEILINGS	LS	1.000	1.000	1.000	\$29,464.40	\$29,464.40
53	RESILIENT FLOORING	LS	1.000	1.000	1.000	\$28,202.96	\$28,202.96
54	RESILIENT ATHLETIC FLOORING	LS	1.000	1.000	1.000	\$4,615.03	\$4,615.03
55	TILE CARPETING	LS	1.000	1.000	1.000	\$70,763.79	\$70,763.79
56	EXTERIOR PAINTING	LS	1.000	1.000	1.000	\$43,073.61	\$43,073.61
57	INTERIOR PAINTING	LS	1.000	1.000	1.000	\$364,074.56	\$364,074.56
58	HIGH-PERFORMANCE COATINGS	LS	1.000	1.000	1.000	\$46,765.63	\$46,765.63
59	VISUAL DISPLAY BOARDS	LS	1.000	1.000	1.000	\$9,742.84	\$9,742.84
60	APPLIED GRAPHICS	LS	1.000	1.000	1.000	\$10,255.62	\$10,255.62
61	PLASTIC TOILET COMPARTMENTS	LS	1.000	1.000	1.000	\$28,202.96	\$28,202.96
62	WIRE MESH PARTITIONS	LS	1.000	1.000	1.000	\$51,278.11	\$51,278.11
63	TOILET, BATH, AND LAUNDRY ACCESSORIES	LS	1.000	1.000	1.000	\$22,716.20	\$22,716.20
64	FIRE PROTECTION SPECIALTIES	LS	1.000	1.000	1.000	\$3,179.24	\$3,179.24
65	LOCKERS	LS	1.000	1.000	1.000	\$189,729.00	\$189,729.00
66	LUBRICATION SYSTEMS	LS	1.000	1.000	1.000	\$589,698.23	\$589,698.23

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
67	VEHICLE WASHING EQUIPMENT	LS	1.000	1.000	1.000	\$871,727.82	\$871,727.82
68	VEHICLE FUEL EQUIPMENT CANOPY	LS	1.000	1.000	1.000	\$635,848.53	\$635,848.53
69	LOADING DOCK BUMPERS	LS	1.000	1.000	1.000	\$2,563.91	\$2,563.91
70	LOADING DOCK LEVELERS	LS	1.000	1.000	1.000	\$12,819.53	\$12,819.53
71	WINDOW SHADES	LS	1.000	1.000	1.000	\$18,972.90	\$18,972.90
72	COUNTERTOPS	LS	1.000	1.000	1.000	\$35,894.67	\$35,894.67
73	ENTRANCE FLOOR MATS AND FRAMES	LS	1.000	1.000	1.000	\$5,127.81	\$5,127.81
74	SITE FURNISHINGS	LS	1.000	1.000	1.000	\$17,947.34	\$17,947.34
75	BICYCLE RACKS	LS	1.000	1.000	1.000	\$2,563.91	\$2,563.91
76	HYDRAULIC ELEVATORS	LS	1.000	1.000	1.000	\$117,939.65	\$117,939.65
77	LIFTS	LS	1.000	1.000	1.000	\$307,668.64	\$307,668.64
78	FIRE SUPPRESSION SUPPOTS AND ANCHORS	LS	1.000	1.000	1.000	\$7,435.33	\$7,435.33
79	FIRE SUPPRESSION IDENTIFICATION	LS	1.000	1.000	1.000	\$2,820.30	\$2,820.30
80	FIRE PROTECTION SYSTEMS	LS	1.000	1.000	1.000	\$553,803.56	\$553,803.56
81	MOTORS - PLUMBING	LS	1.000	1.000	1.000	\$12,306.75	\$12,306.75
82	PLUMBING SUPPORTS AND ANCHORS	LS	1.000	1.000	1.000	\$13,075.92	\$13,075.92
83	PLUMBING VIBRATION IDENTIFICATION	LS	1.000	1.000	1.000	\$1,153.76	\$1,153.76
84	PLUMBING IDENTIFICATION	LS	1.000	1.000	1.000	\$769.17	\$769.17
85	PLUMBING EQUIPMENT INSULATION	LS	1.000	1.000	1.000	\$1,897.29	\$1,897.29
86	PLUMBING PIPING INSULATION	LS	1.000	1.000	1.000	\$125,118.58	\$125,118.58
87	INSTRUMENTATION	LS	1.000	1.000	1.000	\$30,766.86	\$30,766.86
88	PLUMBING PIPING	LS	1.000	1.000	1.000	\$988,904.45	\$988,904.45
89	NATURAL GAS AND PROPANE PIPING	LS	1.000	1.000	1.000	\$159,782.58	\$159,782.58
90	PLUMBING SPECIALTIES	LS	1.000	1.000	1.000	\$243,058.23	\$243,058.23
91	DOMESTIC WATER PUMPS	LS	1.000	1.000	1.000	\$2,307.51	\$2,307.51
92	TANKS - PLUMBING	LS	1.000	1.000	1.000	\$8,973.67	\$8,973.67
93	SUMP PUMPS	LS	1.000	1.000	1.000	\$7,691.72	\$7,691.72
94	RECIPROCATING AIR COMPRESSOR	LS	1.000	1.000	1.000	\$192,703.13	\$192,703.13
95	PLUMBING EQUIPMENT	LS	1.000	1.000	1.000	\$41,022.49	\$41,022.49
96	PLUMBING FIXTURES	LS	1.000	1.000	1.000	\$388,072.71	\$388,072.71
97	MOTORS - HVAC	LS	1.000	1.000	1.000	\$62,046.51	\$62,046.51
98	HVAC SUPPORTS AND ANCHORS	LS	1.000	1.000	1.000	\$9,999.23	\$9,999.23
99	HVAC VIBRATION ISOLATION	LS	1.000	1.000	1.000	\$1,281.95	\$1,281.95
100	HVAC IDENTIFICATION	LS	1.000	1.000	1.000	\$974.28	\$974.28
101	TESTING, ADJUSTING AND BALANCING	LS	1.000	1.000	1.000	\$1,660.39	\$1,660.39
102	DUCTWORK INSULATION	LS	1.000	1.000	1.000	\$54,354.79	\$54,354.79
103	HVAC PIPING INSULATION	LS	1.000	1.000	1.000	\$36,920.24	\$36,920.24
104	CONTROLS - HVAC	LS	1.000	1.000	1.000	\$27,197.91	\$27,197.91

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
105	INSTRUMENTATION - HVAC	LS	1.000	1.000	1.000	\$2,563.91	\$2,563.91
106	REFRIGERATION PIPING AND SPECIALTIES	LS	1.000	1.000	1.000	\$175,054.23	\$175,054.23
107	DUCTWORK	LS	1.000	1.000	1.000	\$402,712.61	\$402,712.61
108	DUCTWORK ACCESSORIES	LS	1.000	1.000	1.000	\$26,399.00	\$26,399.00
109	CENTRIFUGAL FANS	LS	1.000	1.000	1.000	\$81,614.24	\$81,614.24
110	POWER VENTILATORS	LS	1.000	1.000	1.000	\$89,223.91	\$89,223.91
111	AIR TERMINAL UNITS	LS	1.000	1.000	1.000	\$40,704.56	\$40,704.56
112	AIR INLETS AND OUTLETS	LS	1.000	1.000	1.000	\$11,204.27	\$11,204.27
113	AIR CLEANING	LS	1.000	1.000	1.000	\$2,820.30	\$2,820.30
114	AIR COOLED CONDENSING UNITS	LS	1.000	1.000	1.000	\$48,201.42	\$48,201.42
115	INDOOR MODULAR MAKE-UP AIR UNITS	LS	1.000	1.000	1.000	\$1,000,869.68	\$1,000,869.68
116	PACKAGED ROOFTOP ENERGY RECOVERY UNITS	LS	1.000	1.000	1.000	\$139,579.01	\$139,579.01
117	ROOFTOP MODULAR AIR HANDLING UNITS	LS	1.000	1.000	1.000	\$153,834.32	\$153,834.32
118	COMPUTER ROOM AIR CONDITIONING UNITS	LS	1.000	1.000	1.000	\$57,534.04	\$57,534.04
119	VARIABLE REFRIGERANT FLOW HEAT PUMPS	LS	1.000	1.000	1.000	\$383,841.24	\$383,841.24
120	TERMINAL HEAT TRANSFER UNITS	LS	1.000	1.000	1.000	\$341,242.47	\$341,242.47
121	THROUGH PENETRATION FIRESTOPPING	LS	1.000	1.000	1.000	\$5,640.59	\$5,640.59
122	WIRE AND CABLE	LS	1.000	1.000	1.000	\$970,756.48	\$970,756.48
123	ELECTRIC HEAT TRACE AND SNOW MELT	LS	1.000	1.000	1.000	\$6,167.73	\$6,167.73
124	GROUNDING AND BONDING	LS	1.000	1.000	1.000	\$80,855.32	\$80,855.32
125	SUPPORTING DEVICES	LS	1.000	1.000	1.000	\$200,005.13	\$200,005.13
126	CONDUIT AND BOXES	LS	1.000	1.000	1.000	\$867,297.39	\$867,297.39
127	SURFACE RACEWAYS	LS	1.000	1.000	1.000	\$121,185.55	\$121,185.55
128	ELECTRICAL IDENTIFICATION	LS	1.000	1.000	1.000	\$7,886.57	\$7,886.57
129	POWER SYSTEM STUDY	LS	1.000	1.000	1.000	\$28,715.74	\$28,715.74
130	POWER MONITORING AND CONTROL SYSTEM	LS	1.000	1.000	1.000	\$33,823.04	\$33,823.04
131	ELECTRICAL CONTROLS AND RELAYS	LS	1.000	1.000	1.000	\$28,674.72	\$28,674.72
132	LIGHTING CONTROL SYSTEMS	LS	1.000	1.000	1.000	\$140,399.46	\$140,399.46
133	SERVICE ENTRANCE	LS	1.000	1.000	1.000	\$142,942.85	\$142,942.85
134	DRY TYPE TRANSFORMERS	LS	1.000	1.000	1.000	\$49,709.00	\$49,709.00
135	SWITCHBOARDS	LS	1.000	1.000	1.000	\$124,759.63	\$124,759.63
136	PANELBOARDS	LS	1.000	1.000	1.000	\$179,637.46	\$179,637.46
137	MOTOR CONTROL	LS	1.000	1.000	1.000	\$38,366.28	\$38,366.28
138	WIRING DEVICES	LS	1.000	1.000	1.000	\$223,615.62	\$223,615.62
139	FUSES	LS	1.000	1.000	1.000	\$6,245.67	\$6,245.67
140	DISCONNECT SWITCHES	LS	1.000	1.000	1.000	\$33,361.54	\$33,361.54
141	CONTACTORS	LS	1.000	1.000	1.000	\$37,855.55	\$37,855.55
142	VARIABLE FREQUENCY DRIVES	LS	1.000	1.000	1.000	\$17,383.28	\$17,383.28

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
143	SOLAR PHOTOVOLTAIC SYSTEMS	LS	1.000	1.000	1.000	\$661,641.41	\$661,641.41
144	PACKAGED ENGINE GENERATOR SYSTEMS	LS	1.000	1.000	1.000	\$219,367.74	\$219,367.74
145	TRANSFER SWITCH	LS	1.000	1.000	1.000	\$14,327.10	\$14,327.10
146	LIGHTNING PROTECTION SYSTEMS	LS	1.000	1.000	1.000	\$138,902.14	\$138,902.14
147	SURGE PROTECTION DEVICES	LS	1.000	1.000	1.000	\$26,080.05	\$26,080.05
148	LED LIGHTING	LS	1.000	1.000	1.000	\$801,835.76	\$801,835.76
149	COMMUNICATIONS BONDING	LS	1.000	1.000	1.000	\$11,055.56	\$11,055.56
150	INTERIOR COMMUNICATION PATHWAYS	LS	1.000	1.000	1.000	\$106,504.63	\$106,504.63
151	EXTERIOR COMMUNICATION PATHWAYS	LS	1.000	1.000	1.000	\$97,510.45	\$97,510.45
152	IDENTIFICATION AND ADMINISTRATION	LS	1.000	1.000	1.000	\$11,681.15	\$11,681.15
153	COMMUNICATION EQUIPMENT ROOMS	LS	1.000	1.000	1.000	\$246,340.03	\$246,340.03
154	TELEVISION DISTRIBUTION SYSTEMS	LS	1.000	1.000	1.000	\$15,280.88	\$15,280.88
155	TESTING	LS	1.000	1.000	1.000	\$43,740.23	\$43,740.23
156	ELECTRONIC ACCESS CONTROL	LS	1.000	1.000	1.000	\$72,599.54	\$72,599.54
157	FIRE ALARM AND DETECTION SYSTEMS	LS	1.000	1.000	1.000	\$134,439.92	\$134,439.92
158	EXCAVATION AND FILL	LS	1.000	1.000	1.000	\$1,558,854.45	\$1,558,854.45
159	EXCAVATION AND FILL FOR PIPES AND STRUCTURES	LS	1.000	1.000	1.000	\$285,106.27	\$285,106.27
160	EROSION AND SEDIMENTATION CONTROL	LS	1.000	1.000	1.000	\$46,150.30	\$46,150.30
161	RAMMED AGGREGATE PIERS	LS	1.000	1.000	1.000	\$425,608.29	\$425,608.29
162	CONCRETE PAVING	LS	1.000	1.000	1.000	\$2,717,739.67	\$2,717,739.67
163	DECORATIVE CONCRETE PAVING	LS	1.000	1.000	1.000	\$8,512.17	\$8,512.17
164	PAVEMENT MARKING	LS	1.000	1.000	1.000	\$35,894.67	\$35,894.67
165	PAINTED PAVEMENT MARKINGS (INTERIOR)	LS	1.000	1.000	1.000	\$14,357.87	\$14,357.87
166	CHAIN LINK FENCES AND GATES	LS	1.000	1.000	1.000	\$153,834.32	\$153,834.32
167	GATE OPERATOR	LS	1.000	1.000	1.000	\$117,939.65	\$117,939.65
168	TURF AND GRASSES	LS	1.000	1.000	1.000	\$25,639.05	\$25,639.05
169	SEEDING	LS	1.000	1.000	1.000	\$46,150.30	\$46,150.30
170	PLANTING	LS	1.000	1.000	1.000	\$323,052.07	\$323,052.07
171	WATER UTILITY DISTRIBUTION PIPING	LS	1.000	1.000	1.000	\$169,217.86	\$169,217.86
172	WATER UTILITY DISTRIBUTION EQUIPMENT	LS	1.000	1.000	1.000	\$15,683.30	\$15,683.30
173	TESTING AND DISINFECTING	LS	1.000	1.000	1.000	\$8,717.28	\$8,717.28
174	SANITARY UTILITY SEWERAGE PIPING	LS	1.000	1.000	1.000	\$158,973.00	\$158,973.00
175	SANITARY UTILITY SEWERAGE STRUCTURES	LS	1.000	1.000	1.000	\$35,894.67	\$35,894.67
176	STORM SEWER AND STRUCTURES	LS	1.000	1.000	1.000	\$897,239.06	\$897,239.06
177	MINI-BULK STORAGE AND DISPENSING SYSTEM	LS	1.000	1.000	1.000	\$51,406.57	\$51,406.57
178	HOISTS AND CRANES	LS	1.000	1.000	1.000	\$333,307.57	\$333,307.57
179	BAS CONTROLS (BAKER GROUP) ALLOWANCE	LS	1.000	1.000	1.000	\$641,094.00	\$641,094.00
180	ACCESS CONTROLS (BAKER GROUP) ALLOWANCE	LS	1.000	1.000	1.000	\$55,765.00	\$55,765.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
181	CAMERA SYSTEM (BAKER GROUP) ALLOWANCE	LS	1.000	1.000	1.000	\$49,120.00	\$49,120.00
1.01	REMOVAL OF TREES AND RR TRACKS	LS	0.000	1.000	1.000	\$32,619.00	\$32,619.00
2.01	FIRE COMMAND CENTER ASI #1	LS	0.000	1.000	1.000	\$36,713.00	\$36,713.00
2.02	CARD READERS FOR WASH BAY AREA ASI #1	LS	0.000	1.000	1.000	\$8,799.00	\$8,799.00
3.01	SITE CHANGES ASI#1	LS	0.000	1.000	1.000	\$5,855.00	\$5,855.00
3.02	ELEVATOR EMERGENCY PHONE ASI#1	LS	0.000	1.000	1.000	\$1,940.00	\$1,940.00
3.03	BUILDING CHANGES ASI#1	LS	0.000	1.000	1.000	\$34,838.00	\$34,838.00
3.04	PRECAST COLUMN RFI #45	LS	0.000	1.000	1.000	\$3,000.00	\$3,000.00
4.01	RELOCATE SAN SEWER CONNECTION ASI #2	LS	0.000	1.000	1.000	\$23,295.00	\$23,295.00
4.02	REPAIR DRIVEWAY ASI#6	LS	0.000	1.000	1.000	\$11,065.00	\$11,065.00
4.03	ADA WALL REVISIONS ASI#6	LS	0.000	1.000	1.000	(\$3,244.00)	(\$3,244.00)
4.04	IONOZATION TO HVAC UNITS ASI#3	LS	0.000	1.000	1.000	\$67,394.00	\$67,394.00
4.05	GLASS VIBER REINFORCING	LS	0.000	1.000	1.000	(\$20,811.00)	(\$20,811.00)
5.01	CR10 REVISE HVAC A & B ASI #7	LS	0.000	1.000	1.000	\$18,503.00	\$18,503.00
5.02	CR12 ADD AREA B TIEBACK STEEL	LS	0.000	1.000	1.000	\$9,080.00	\$9,080.00
5.03	CR13 ADD LINTEL DOOR 1204A	LS	0.000	1.000	1.000	\$691.00	\$691.00
5.04	CR14 ADD C-CHANNEL TO AREA A	LS	0.000	1.000	1.000	\$2,991.00	\$2,991.00
5.05	CR15 ADD INCREASE SIZE STRUCTURAL STEEL	LS	0.000	1.000	1.000	\$3,538.00	\$3,538.00
5.06	CR16 ADD BEARING ANGLE ROOM 1121	LS	0.000	1.000	1.000	\$7,272.00	\$7,272.00
5.07	CR17 ADD DEBRIS REMOVAL & BEDDING S PKG	LS	0.000	1.000	1.000	\$2,590.00	\$2,590.00
6001	CR18 Revise T-2 Ceramic Tile	LS	0.000	1.000	1.000	\$3,822.00	\$3,822.00
6002	CR19 Wash Bay Color	LS	0.000	1.000	1.000	\$564.00	\$564.00
6003	CR20 Add power Mod to Overhead Door	LS	0.000	1.000	1.000	\$38,887.00	\$38,887.00
6004	CR21 Add Ductwork Mod for Structure	LS	0.000	1.000	1.000	\$24,645.00	\$24,645.00
6005	CR23 Add Structural Steel Windows South Wall	LS	0.000	1.000	1.000	\$3,394.00	\$3,394.00
6006	CR26 Add Larger size Loading Dock	LS	0.000	1.000	1.000	\$680.00	\$680.00
6007	CR27 Credit Overhead Coiling Door Change	LS	0.000	1.000	1.000	(\$24,518.00)	(\$24,518.00)
7001	CR22 Sand/Oil Water Interceptor Mod	LS	0.000	1.000	1.000	\$12,502.00	\$12,502.00
7002	CR24 Credit for BACnet Destratification Fans	LS	0.000	1.000	1.000	(\$8,107.00)	(\$8,107.00)
7003	CR28 Add vertical Storage Units	EA	0.000	2.000	2.000	\$79,325.50	\$158,651.00
7004	CR29 Add Wash Bay Vapor Barrier	LS	0.000	1.000	1.000	\$14,534.00	\$14,534.00
7005	CR30 Add Bollards	EA	0.000	6.000	6.000	\$795.17	\$4,771.02
7006	CR31 Door Hardware Changes 3300	LS	0.000	1.000	1.000	\$411.00	\$411.00
7007	CR32 Duct revisions RFI 77, 149, & 157	LS	0.000	1.000	1.000	\$36,487.00	\$36,487.00
7008	CR33 Add Screen Wall Column Extensions	LS	0.000	1.000	1.000	\$11,192.00	\$11,192.00
7009	CR34 add Roof Frame Plates for Finished Skylights	LS	0.000	1.000	1.000	\$16,792.00	\$16,792.00
7010	CR36 Add Door Control and Swing Changes	LS	0.000	1.000	1.000	\$9,508.00	\$9,508.00
7011	CR37 Add Vehicle Lifts	EA	0.000	2.000	2.000	\$125,107.00	\$250,214.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
7012	CR38 Add Electrical Changes per ASI 17	LS	0.000	1.000	1.000	\$45,515.00	\$45,515.00
7013	CR39 Changes Size of Ground Ring Wire to 3/0	LS	0.000	1.000	1.000	\$15,349.00	\$15,349.00
7014	CR40 Add Thicker Footing to Walls in Area B	LS	0.000	1.000	1.000	\$3,607.00	\$3,607.00
7015	CR41 Add additional Pipe as per RFI 151	LS	0.000	1.000	1.000	\$5,393.00	\$5,393.00
7016	CR42 Added Access Controls	LS	0.000	1.000	1.000	\$66,431.00	\$66,431.00
801	CR43 Add ASI#20	LS	0.000	1.000	1.000	\$27,484.00	\$27,484.00
802	CR44 Roof Deck Floots	LS	0.000	1.000	1.000	\$9,469.00	\$9,469.00
803	CR45 Add framing to support skylights	LS	0.000	1.000	1.000	\$8,855.00	\$8,855.00
804	CR48 Add Elevator Deck Bearing Steel	LS	0.000	1.000	1.000	\$1,703.00	\$1,703.00
805	CR49 Add CMU wall for electric panel	LS	0.000	1.000	1.000	\$855.00	\$855.00
901	CR46 Future Electrical Conduits NW Corner	LS	0.000	1.000	1.000	\$44,375.80	\$44,375.80
902	CR52 Add Electrical Outlets	EA	0.000	5.000	1.000	\$817.20	\$817.20
903	CR55 Add Increase Water Pipe Size	LS	0.000	1.000	1.000	\$2,439.00	\$2,439.00
904	CR56 Add Door Hardware	LS	0.000	1.000	1.000	\$2,037.00	\$2,037.00
1001	CR47 Add Increase Electrical chase	LS	0.000	1.000	1.000	\$10,026.00	\$10,026.00
1002	CR51 Add 2-3 inch conduits to roof of radio shop	LS	0.000	1.000	1.000	\$2,247.00	\$2,247.00
1003	CR53 Add Area B Transformer Platform	LS	0.000	1.000	1.000	\$1,084.00	\$1,084.00
1004	CR54 Add Plumbing Revisions ASI 21	LS	0.000	1.000	1.000	\$1,852.00	\$1,852.00
1005	CR57 Add Concrete Bases to Five Powerzone Panels	LS	0.000	1.000	1.000	\$5,719.00	\$5,719.00
1006	CR59 Add Supply Grill at IU-129	LS	0.000	1.000	1.000	\$1,650.00	\$1,650.00
1007	CR60 Add Revise Skylights Penetration Covers	LS	0.000	1.000	1.000	\$7,421.00	\$7,421.00
1008	CR61 Add Two Door Frames	LS	0.000	1.000	1.000	\$2,312.00	\$2,312.00
1009	CR62 Add Paint Decking Area A & B	LS	0.000	1.000	1.000	\$70,565.00	\$70,565.00
1010	CR63 Add Overhead Door Changes Per RFI 16	LS	0.000	1.000	1.000	\$262,637.00	\$262,637.00
1011	CR64 Deduct South Parking Lot Fence East	LS	0.000	1.000	1.000	(\$3,561.00)	(\$3,561.00)
1012	CR65 Add Strctural Support Area F Hollow Core	LS	0.000	1.000	1.000	\$716.00	\$716.00
1101	CR66 Add DP-PV Disconnect at Transformer ASI#43	LS	0.000	1.000	1.000	\$33,295.00	\$33,295.00
1102	CR67 Add Roller Shade Modifications per RFI 251	LS	0.000	1.000	1.000	\$5,167.00	\$5,167.00
1103	CR68 Add DATA to Office 1100 Counter	LS	0.000	1.000	1.000	\$1,846.00	\$1,846.00
1104	CR69 Add Power to Water Cooler Weld Shop	LS	0.000	1.000	1.000	\$1,131.00	\$1,131.00
1105	CR71 Add Jib Crane at Generator	LS	0.000	1.000	1.000	\$8,547.00	\$8,547.00
1200	CR 70, CR72-CR88	LS	0.000	1.000	1.000	\$387,167.00	\$387,167.00
1300	CR89-CR91, CR93-96, CR99-100, CR102	LS	0.000	1.000	1.000	\$49,522.00	\$49,522.00
1400	CR92, CR97-CR98, CR101-CR107, CR109-CR111, CR113-115, CR117, CR119-CR120, CR122, CR125-CR127	LS	0.000	1.000	1.000	\$282,805.00	\$282,805.00
1500	CR116, CR128-CR129, CR131-CR133, CR137-CR144, CR148-CR149	LS	0.000	1.000	1.000	\$273,116.00	\$273,116.00
1600	CR112, CR121, CR124, CR88a, CR145-CR146, CR149-CR150, CR153-CR161, CR169	LS	0.000	1.000	1.000	\$49,281.00	\$49,281.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1700	CR162, CR164-CR167, CR171-CR174, CR178-CR180, CR182, CR185	LS	0.000	1.000	1.000	\$49,731.00	\$49,731.00
1800	CR170, CR177, CR181, CR187-CR188, CR194	LS	0.000	1.000	1.000	\$48,097.00	\$48,097.00
1900	CR168, CR176, CR184, CR189, CR195, CR197	LS	0.000	1.000	1.000	\$49,032.00	\$49,032.00
2000	CR183, CR186, CR190-193, CR198-CR205, CR207-CR216, CR218-CR221, CR223-CR227, CR229-CR241, CR243, CR245-CR248, CR254-CR257	LS	0.000	1.000	1.000	\$372,363.00	\$372,363.00
2100	CR206, CR228, CR242, CR244, CR250-253, CR258-264	LS	0.000	1.000	1.000	\$70,799.00	\$70,799.00
2200	CR266, CR267, CR268, CR269, CR270, CR271	LS	0.000	1.000	1.000	\$43,880.00	\$43,880.00
2300	CR272, CR273, CR274, CR275, CR276, CR277, CR278, CR279, CR280, CR281, CR282, CR283, CR284,LD	LS	0.000	1.000	1.000	\$37,549.00	\$37,549.00
2400	Project Deducts	LS	0.000	1.000	1.000	(\$9,600.00)	(\$9,600.00)
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$48,082,262.02				
PARTIAL PAYMENT #1			\$1,008,407.92				
PARTIAL PAYMENT #2			\$1,344,206.90				
PARTIAL PAYMENT #3			\$1,281,844.07				
PARTIAL PAYMENT #4			\$2,725,365.05				
PARTIAL PAYMENT #5			\$2,088,650.25				
PARTIAL PAYMENT #6			\$1,377,930.37				
PARTIAL PAYMENT #7			\$2,801,588.98				
PARTIAL PAYMENT #8			\$1,777,055.59				
PARTIAL PAYMENT #9			\$1,854,326.12				
PARTIAL PAYMENT #10			\$2,494,905.87				
PARTIAL PAYMENT #11			\$3,397,247.48				
PARTIAL PAYMENT #12			\$1,872,351.95				
PARTIAL PAYMENT #13			\$2,794,513.33				
PARTIAL PAYMENT #14			\$2,634,173.13				
PARTIAL PAYMENT #15			\$2,560,909.19				
PARTIAL PAYMENT #16			\$1,725,461.18				
PARTIAL PAYMENT #17			\$1,917,688.09				
PARTIAL PAYMENT #18			\$1,140,618.14				
PARTIAL PAYMENT #19			\$1,119,404.17				
PARTIAL PAYMENT #20			\$894,915.00				
PARTIAL PAYMENT #21			\$2,433,162.52				
PARTIAL PAYMENT #22			\$2,104,919.86				
PARTIAL PAYMENT #23			\$1,294,176.12				

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LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
	PARTIAL PAYMENT #24		\$828,670.17				
	PARTIAL PAYMENT #25		\$337,746.99				
	PARTIAL PAYMENT #26		\$183,881.02				
	PARTIAL PAYMENT #27		\$385,843.10				
	PARTIAL PAYMENT #28		\$55,122.37				
	PARTIAL PAYMENT #29		\$100,631.84				
	PARTIAL PAYMENT #30		\$1,087,770.65				
	PARTIAL PAYMENT #31		\$57,825.60				
	PARTIAL PAYMENT #32		\$60,549.00				
	PARTIAL PAYMENT #33		\$291,000.00				
	THIS PARTIAL PAYMENT		\$0.00				
	TOTAL PARTIAL PAYMENTS		\$48,032,862.02				
	BALANCE		\$49,400.00				
			100%				

TOTAL	\$48,082,262.02
RETAINAGE	\$49,400.00
TOTAL LESS RETAINAGE	\$48,032,862.02
LESS PREVIOUS PAYMENT	\$48,032,862.02
AMOUNT DUE	\$0.00

PREPARED BY: *Paul L. Smith*

CHECKED BY: *D. King*

FINAL PAYMENT